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# SAFETY INFORMATION



## About this manual

Please read these instructions carefully before use. Take note of any warnings on the appliance and in the manual.

Always keep the operating manual close to hand. If you sell or give the device away, make sure you also hand over this manual.

## Electrical equipment does not belong in the hands of children.

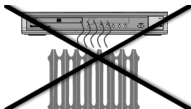
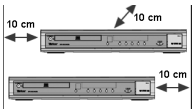
Never allow children to use electrical devices unattended.

Batteries and accumulators can endanger life if swallowed. The appliance and the batteries should, therefore, be kept out of the reach of children. If a battery is swallowed, seek immediate medical help.

You should also keep the plastic packaging out of the reach of children - danger of suffocation.

## Position the appliance safely.

Place the appliance on a solid, flat surface. The appliance is not designed for operation in high humidity (e.g. in bathrooms). Ensure that the



- ☐ the ventilation slits are not covered and that ventilation is unimpeded,
- ☐ the appliance is not affected by any direct source of heat (e.g. room heaters),
- ☐ the appliance is not standing in direct sunlight,
- ☐ the appliance does not come into contact with humidity, water or splashes (do not, for example, stand vases on the appliance),
- ☐ the appliance is not adjacent to sources of magnetic fields, such as television receivers or loudspeakers,
- ☐ the appliance is not near naked flames, such as burning candles.
- ☐ If the appliance is moved from a cold place to a warm room, condensation may form inside the appliance. Wait for a few hours before turning it on.
- ☐ Do not subject the appliance to vibrations. Vibration can damage the sensitive electronics.

## Leave the mains connection accessible.

Only connect the appliance to a readily accessible socket (AC 100~240 V, 50/60 Hz) that is with a short distance of the point of installation. In the event that the appliance must be disconnected quickly, the socket must be readily accessible.

To avoid tripping people up, do not use an extension cable.

## Never attempt to repair the appliance yourself.

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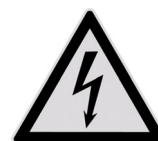
If the plug, supply cable or the appliance is damaged or water or foreign objects get inside the appliance, pull the plug immediately.

Never switch on if the plug, supply cable or the appliance is damaged.

No objects may get inside the appliance, e.g. through the ventilation slots. These could cause short-circuits or damage components.

To unplug, pull on the plug itself and never on the cable.

Never try to open and/or repair the appliance yourself. There is a danger of electric shock. In the event of a fault, contact our service centre or another qualified workshop.



### Thunderstorms

If you are away for a long time or a thunderstorm is threatening, pull the mains and antenna plugs.

## The CD/DVD recorder

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The DVD recorder is a class 1 laser product. The appliance has a safety system that prevents the emission of dangerous laser radiation during normal use. To avoid eye injuries, never manipulate or damage the safety system.



## Dispose of batteries correctly.

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Used batteries do not belong in the household waste. The batteries can be handed in to a collection point or a specialist retailer for disposal.



## Cleaning the appliance

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Before cleaning, pull the plug. Use a dry soft cloth for cleaning. Avoid chemical solvents and cleaners, as these can damage the surfaces and/or lettering of the appliance.

# GENERAL

## About DVD



The DVD - Digital Versatile Disc is a storage medium for digital information. DVDs are marked with one of the adjacent symbols.

Depending on how the information is recorded, there are different types of DVD with differing storage capacities.

### DVD structure

Video DVDs are divided into titles and chapters. A DVD can have a number of titles, each consisting of a number of chapters. Titles and chapters are serially numbered:

Normally, the first title of a DVD consists of license notices and information about the manufacturer. The next title is usually the film itself. Further titles can be, for example, "Making of" reports, film previews or information about the cast.

DVDs can store sound tracks in up to eight languages and subtitles in up to 32 languages. Sound track language and subtitle language can be mixed as you wish.

Languages and subtitles

### Regional codes

In support of worldwide sales strategies, regional coding was developed which only allows DVDs to be played on players purchased in certain regions.

This code is based on a system that divides the world into six regions. Europe is in zone 2. On your DVD player, you can only play DVDs with regional code 2. The regional code is printed on the packaging of the DVD (see adjacent logo).



In addition to DVDs with regional code 2, you can play DVDs with regional code 0 (no regional limitation) on your appliance.

**i** If you have problems playing certain DVDs, check that they have regional code 2 or 0.

### DVD blanks

Your recorder can write two kinds of DVD blanks:

**DVD+RW:** DVD ReWritable blanks can be written a number of times. They can be played on other DVD players without fixation (see "Finalize DVD (DVD+R only)", p. 28).

**DVD+R:** DVD+R blanks (once-writable DVDs) cannot be played on other DVD players without fixation. Although a recording on a DVD+R blank can be deleted, it cannot be overwritten.

## MP3 format

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MP3 is a compression format for audio data. The MP3 format was developed to provide extremely high compression of audio data.

To be recognised as such, MP3 files must be saved with the corresponding .mp3 filename extension. Unlike the usual audio CD, an MP3 CD can be subdivided, in the same way as a computer data CD, into directories (folders, albums) and files (tracks, titles).

## Available surround sound formats

---

### Dolby Digital 5.1

This format uses digitally recorded sound with up to five separate full-bandwidth audio channels (front left, right and middle, rear left and right) and an effects or base channel (5.1) recorded separately. Material with sound in Dolby Digital format is marked with the adjacent trademark.

As the channels are completely independent, a three-dimensional impression can be created with clarity of distance, movement and relative position.

Your DVD recorder can read these audio data and passes them to the digital outputs (DIGITAL OUT) for decoding. It cannot, however, decode the sound from a dts recording itself.

### dts (Digital Theatre System)

The abbreviation dts denotes a sound format that is, as yet, not very widespread but also provides for the recording of up to six (5.1) separate channels. Material with sound in dts format is marked with the adjacent trademark.

Your DVD recorder can read these audio data and passes them to the digital outputs (DIGITAL OUT) for decoding. It cannot, however, decode the sound from a dts recording itself.

### Trademarks

"Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories. The term "dts" is a trademark of DTS Technology, LLC.



## Progressive Scan

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Your recorder has standard, video, SCART (Peritel), S video, and component outputs. With an S video connection, the picture quality is better than with a simple cinch video connection. A SCART connection can yield still better picture quality than an S video connection.

If your TV receiver has a progressive scan capability, the best picture quality will be obtained by using the component video outputs. Using progressive scan, the picture frequency is higher, flicker is minimised and motion is better resolved.

The requirement is, of course, that your TV receiver can process this format. Progressive scan does not work with a SCART or any other video connection.

# PREPARATION

## Unpack the appliance

Remove all packing material, including the protective foils on the front of the appliance.



### ATTENTION!

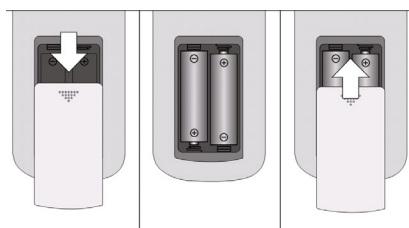
Do not allow small children to play with plastic foil - danger of suffocation.

### Check items delivered

When unpacking, ensure that the following parts were supplied:

- ☐ DVD recorder
- ☐ SCART cable
- ☐ AV cable
- ☐ Component cable
- ☐ Antenna cable
- ☐ Power cord
- ☐ Remote control
- ☐ 2 mignon batteries (1,5 V; size AAA)
- ☐ Empty DVD+RW
- ☐ User instructions
- ☐ Guarantee card

## Insert batteries in the remote control.



Two mignon 1.5 V batteries (AAA-size) are supplied for the remote control.

- Remove the battery compartment cover from the back of the remote control by sliding it in the direction of the arrow.
- Insert the batteries with their negative ends against the springs.
- Replace the battery cover.



### ATTENTION!

Do not attempt to charge the batteries supplied, dismantle them, throw them in the fire or short-circuit them.



Batteries can endanger life if swallowed. Keep batteries and the remote control beyond the reach of small children. If a battery is swallowed, seek immediate medical help.

# AVAILABLE CONNECTIONS

The DVD recorder can be interconnected with a number of other input and output devices:

- ☐ with a television set,
- ☐ with an amplifier/receiver,
- ☐ with a video recorder,
- ☐ with other audio-visual equipment.



Before making connections, ensure that all equipment is switched off. Do not connect the appliance to the mains until all interconnections have been made.

## Connecting the DVD recorder

---

For ease of installation, most of the connecting cables are fitted with coloured connectors. Simply mate plugs and sockets of the same colour when interconnecting two appliances.

The connection examples show a number of ways in which the recorder can be interconnected with other equipment. To simply connect the DVD recorder to a television receiver, all that is required is an audio and a video connection.

If the cable from your TV antenna or cables system is connected to the DVD recorder with a further antenna cable from recorder to TV set, you can watch TV programmes even when the DVD recorder is in standby mode.

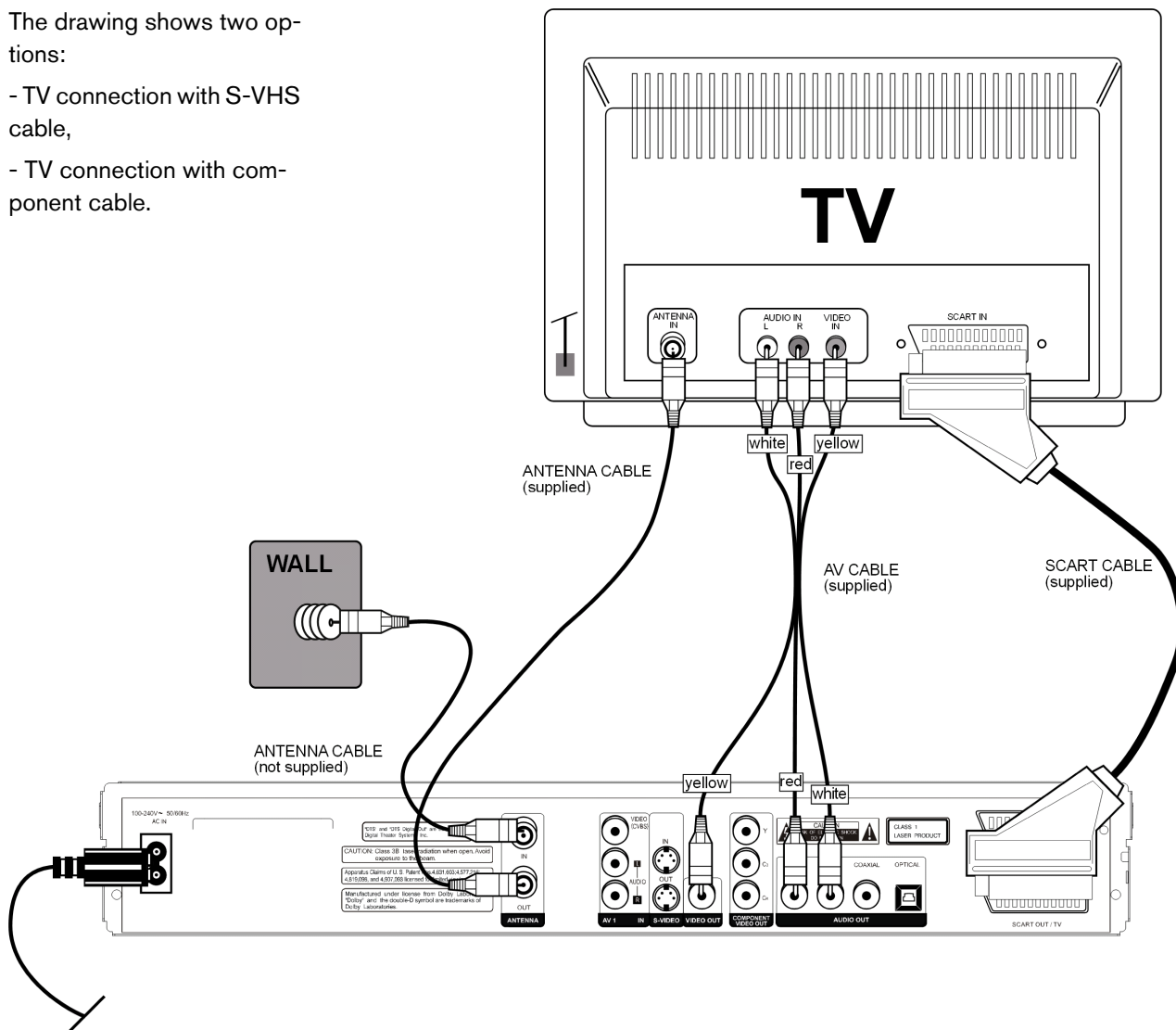
Avoid connecting the DVD recorder indirectly, via a video recorder. This can significantly affect picture quality.

### Connecting to the TV set with an AV or SCART cable

You can connect the DVD recorder to the TV set using either a AV cable or a SCART cable.

The drawing shows two options:

- TV connection with S-VHS cable,
- TV connection with component cable.



In either case, the antenna cable from the wall socket to the TV set must be disconnected from the TV set and connected to the ANTENNA IN socket of the DVD recorder. Connect the antenna outlet of the DVD recorder to the antenna input of the TV set, using the antenna cable supplied.

1st option: connect one end of the AV cable to the Audio / Video output sockets of the DVD recorder and the other end to the AV input sockets of your TV set.

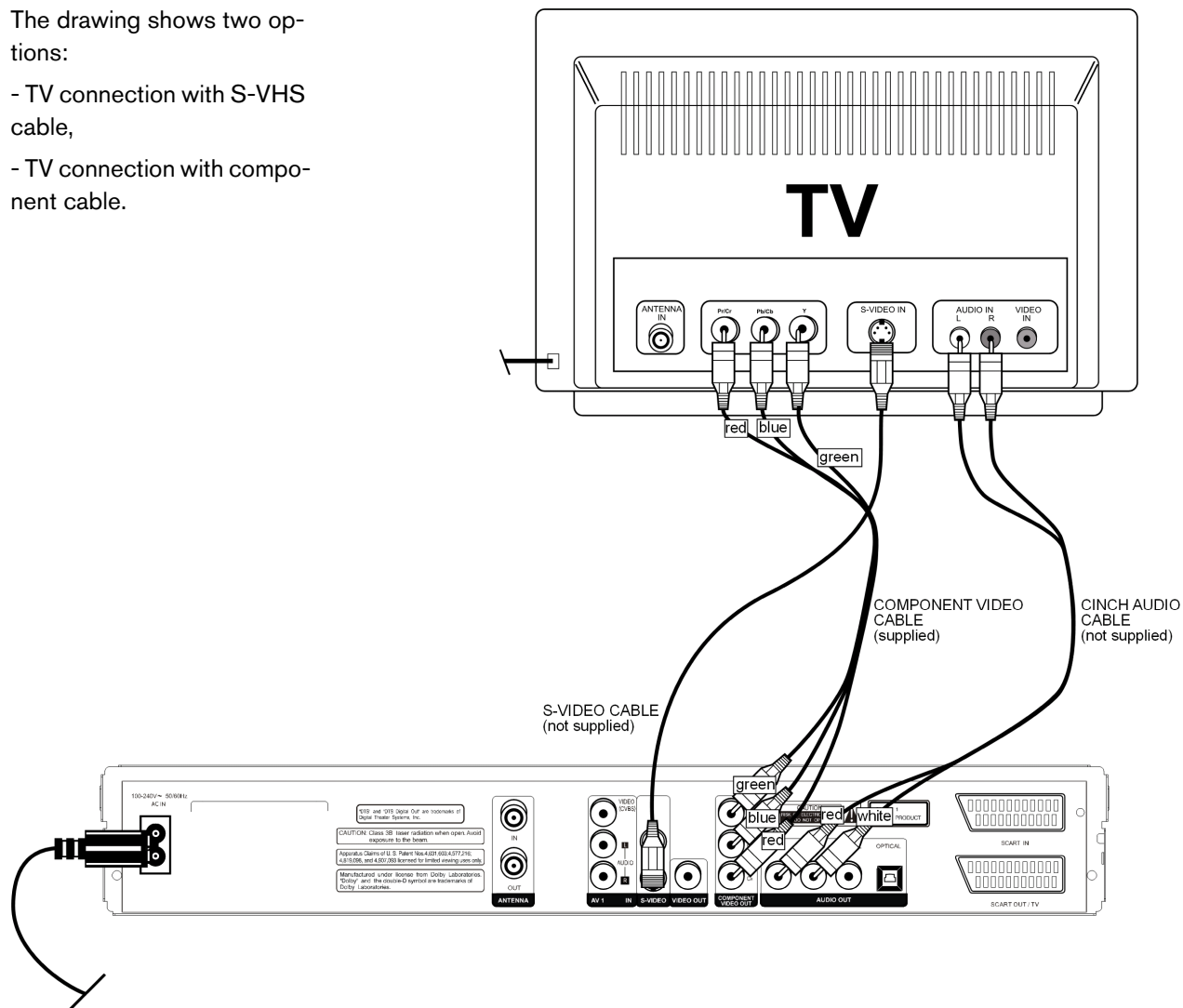
2nd option: connect one end of the SCART cable to the SCART output socket of the DVD recorder and the other end to the SCART input socket of your TV set.



## Connecting to the TV set using an S-VHS cable or with the additional component cable

The drawing shows two options:

- TV connection with S-VHS cable,
- TV connection with component cable.



If your TV set does not have a SCART connector, you can connect it to the DVD player (S-VIDEO socket) using an S-VHS cable.

If the TV set also has a connection for progressive scan signals (usually marked Y/CB/CR), use the component cable supplied to link this with the corresponding output sockets of the DVD recorder.

Note:

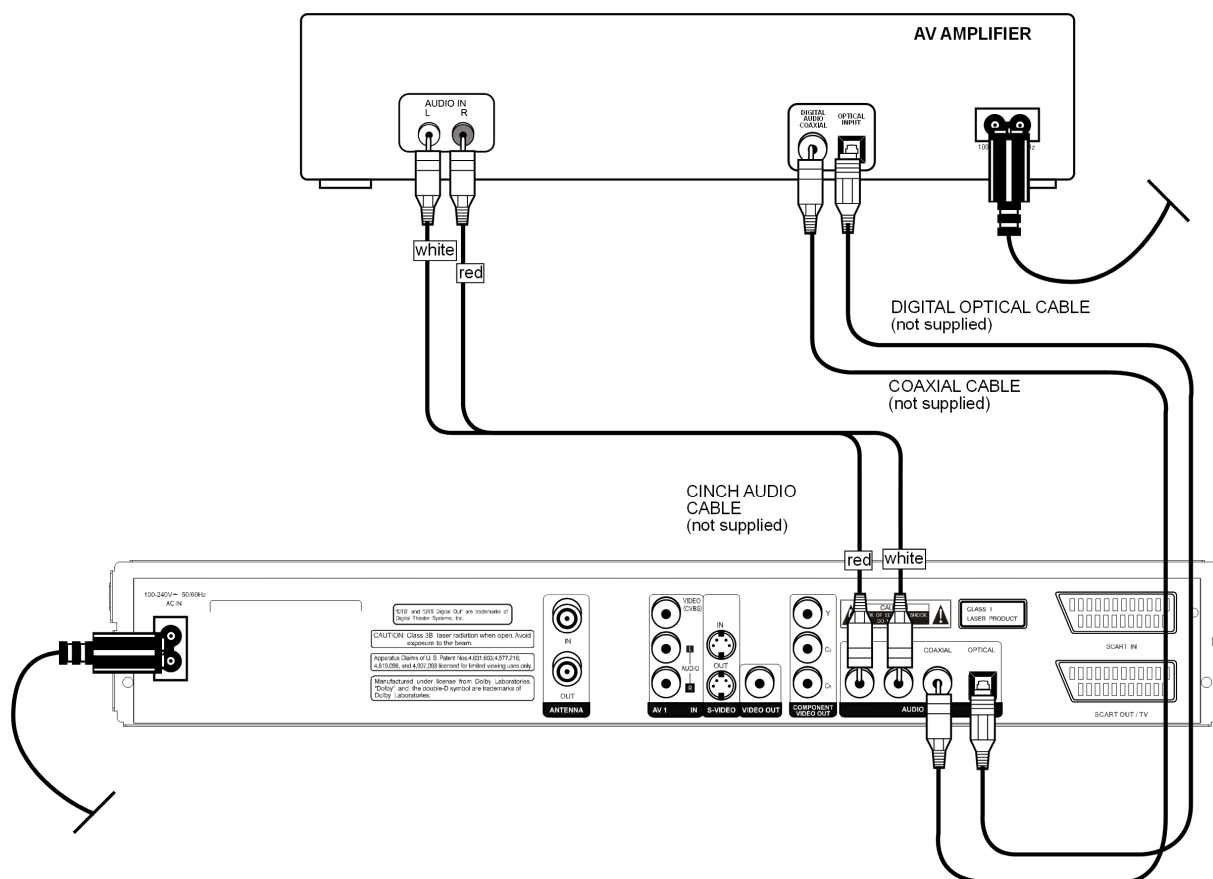
For both options the DVD recorder has to be connected via a cinch-audio cable to the TV set!

### Connecting to a surround amplifier/receiver

If you wish to use the multi-channel surround sound format, you can choose between three DVD recorder outputs:

- ☐ the optical digital output,
- ☐ the coaxial digital output

Connect the selected cable to the corresponding inputs of your AV amplifier.

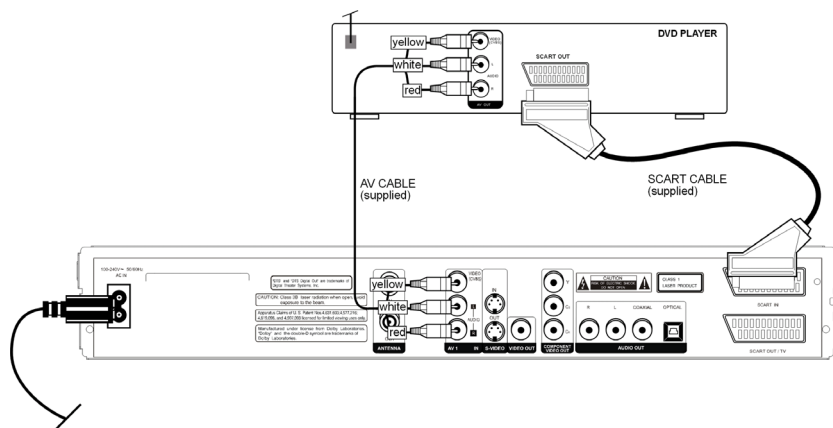


The optical and coaxial digital cables are not included.

### Connecting to another appliance

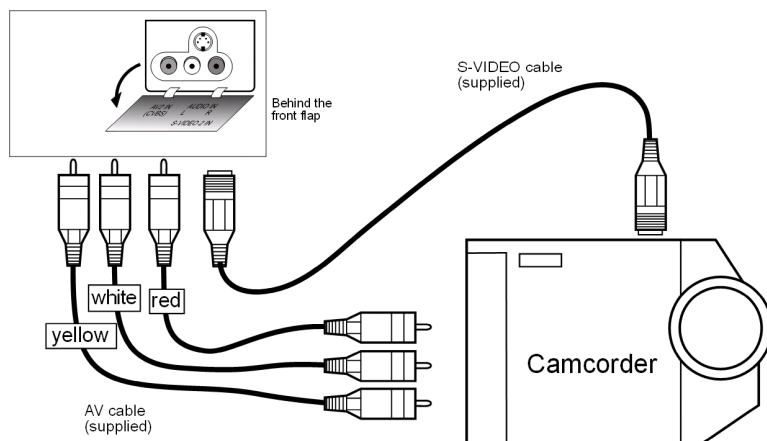
You can also use your DVD recorder to record signals from another appliance, such as a SAT receiver, a video camera, a video recorder or a DVD player. Connect the external appliances to the inputs of your DVD recorder.

An external appliance can be connected either with a SCART cable or with an AV cable.



Use the AV connecting cable to connect the outputs of the external appliance to the inputs of the DVD recorder, as shown in the drawing.

### Connecting a video camera



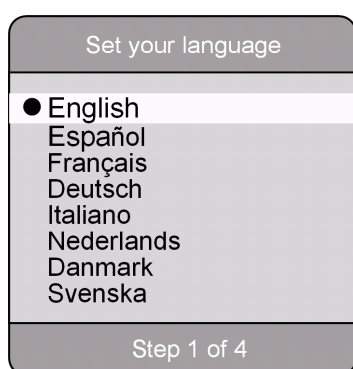
Connect the AV cable from the AV output sockets of your camera to the AV input sockets of your DVD recorder, as shown above.

# PRIMARY SETTINGS

Once you have connected your DVD recorder correctly and plugged in the power, switch on your TV set. Select the appropriate video source and then switch on your DVD recorder by pressing the STANDBY/ON button on the remote control or on the front panel.

All functions of this DVD video recorder can be set easily by using ◀▶▼▲ direction keys. Please move the Cursor Bar (Highlighted color bar) to the desired item and then press ENTER to confirm.

## OSD language select



When the DVD recorder is turned on for the first time, the TV screen shows the following message:

Press the ▲ ▼ direction keys to choose the menu language, then press ENTER to confirm.

## Country setup

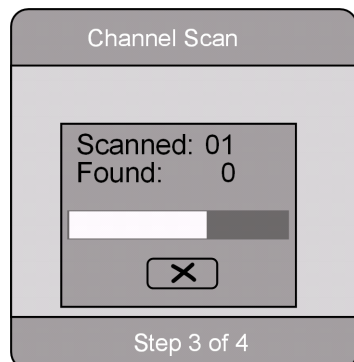


As this appliance is distributed in the UK, the country code is set to United Kingdom as default. Confirm this setting by pressing ENTER.

Note:

You can change the country code later via the Setup menu, for case you want to change the parental settings for another country.

## Scan the antenna signal input source

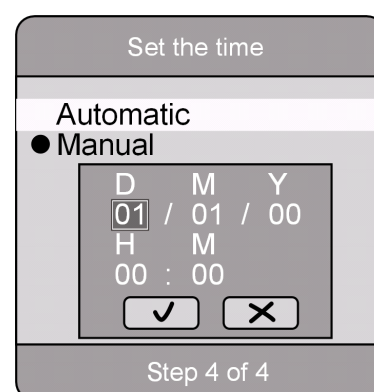
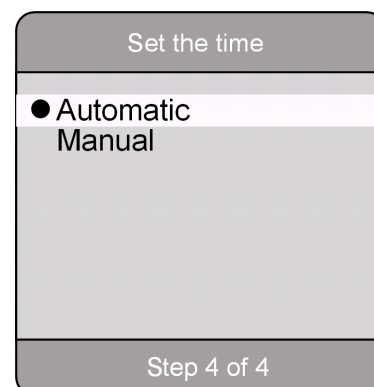


The DVD recorder auto-searches the antenna input to find channels. When finished, the progress bar is complete. Press ENTER to confirm.

## Time and date setting:

A: Auto setting: this DVD recorder will automatically set to correct time, based on channel signal.

B: Manual setting: The first row indicates date, and second row indicate month, and third row indicate year (D/M/Y). Use ◀ ▶ direction keys to move the cursor and press ▲ ▼ direction keys or number keys to input the correct numbers. Next, move the cursor to "Completed" to finalize the setting. See Figure.



## Complete primary settings

After the time setting is completed, the first channel is displayed on the screen. If you have put a CD/DVD into the Disc slot, it will start playing.

# KEY FUNCTIONS

## Controls on the recorder or on the remote control

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Buttons on the front panel and keys on the remote control - see fold-out.

You can use the front panel buttons to control the main functions of your DVD recorder. They can be used to play discs, start a recording, interrupt it and stop it, skip backwards and forwards and select programmes.

In addition to these basic functions, the remote control has further controls, giving access to the full functionality of your DVD recorder. In particular, it is only by means of the remote control that you can navigate the on-screen menus.



In this manual, the recorder is described by reference to the keys of the remote control, as these include all functions of the recorder (with the exception of the mains switch). If reference is made to the buttons on the recorder, this will be stated explicitly.

## Standby/On

---

### Standby mode

Use the STANDBY/ON button on the front panel to turn the recorder on.

The display will briefly show *HELLO* and Reading. The recorder will now attempt to read the disc.

- If no disc is inserted, the display will show *NO DISC*.
- If a disc has been inserted, the display will show the disc type.

Pressing the button again will return the recorder to standby mode and the time of day will be shown on the display.

## Insert a disc

---

Ensure that there is 15 cm free space in front of the recorder so that the disc drawer can open fully.

- With the recorder switched on, press OPEN/CLOSE. The display will show *OPEN*.
- Place a disc with the label side upwards in the disc drawer. Ensure that the disc is centred in the locating depression, so that it does not jam when the drawer closes.
- Press the OPEN/CLOSE button. The disc drawer will close. The display will show *CLOSE* and, after a few seconds, *READING*.

If the disc is a DVD, playback will normally start automatically after a few seconds. The indication in the display depends on the type of disc (DVD, Video CD, Music CD, MP3 or JPEG CD) and its format.

You may need to press PLAY or an on-screen menu may appear in which you must make a selection with the navigation keys.

## Playback functions

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### PAUSE

- To interrupt playback, press the PAUSE button. A pause symbol will appear on the screen.
- Press PAUSE again to resume playback.

### STEP (single picture playback)

- Press the STEP button to move the still picture on to the next picture.

### PLAY

To start playback, press PLAY. A play symbol will appear on the screen.



### STOP/ Resume Play

- Press STOP once to stop playback. In this mode, you can continue playback at the same point by pressing PLAY (Resume Play).
- Press STOP again to stop the DVD completely. The recorder is now in Stop mode.

## Search Functions

---


### Search functions

- ▶ During playback, press the  or  button to skip backwards or forwards (in a DVD, from chapter to chapter, in a CD, from title to title).




Your current position in the whole disc is shown in the display.















### CM SKIP

During playback, press the CM SKIP ("Commercial Skip") button. The DVD player will now skip forwards by about 30 seconds, corresponding to the usual length of a television commercial.

 Note that, on many DVDs, the title/chapter before the start of the actual film (license notices) cannot be skipped.

### Fastplay

- During playback, press the  or  button to start fast backwards or forwards. The fast play symbol  and the speed step will be displayed on-screen:

press  or  once: double speed (2x)  
 press  or  twice: four times normal speed (4x)  
 press  or  three times: eight times normal speed (8x)  
 press  or  four times: sixteen times normal speed (16x)  
 press  or  five times: thirty times normal speed (30x)  
 press  or  six times: sixty times normal speed (60x)  
 press  or  seven times: one hundred times normal speed (100x)


To revert to normal playback speed, press PLAY.

*Note:*



In VCD play, the fastplay is only possible up to 16 times normal speed (16x).

### Slow-motion - SLOW

- During playback, press the SLOW button repeatedly. The slow-motion symbol  and the speed step will be displayed on-screen:

press SLOW once: 1/2 speed

press SLOW twice: 1/4 speed

press SLOW three times: 1/8 speed

press SLOW four times: 1/16 speed

press SLOW five times: 1/2 speed backwards

press SLOW six times: 1/4 speed backwards

press SLOW seven times: 1/8 speed backwards

press SLOW eight times: 1/16 speed backwards

To revert to normal playback speed, press PLAY.



Note that the SLOW function is not available with audio CDs or VCD discs.

## Repeat functions

---

### Repeat - 1/ALL

- During playback, press the 1/ALL button. :

in DVD mode repeatedly:

OFF: normal playback

CHAPTER: repeats the current chapter

TITLE: repeats the current title

CD mode (a repeat symbol will appear on the screen):



Track repeats the current title



repeats the entire CD

Note:



This Function is not applicable on VCDs!

### REPEAT A - B (DVD, VCD)


You can define a section to be repeated.

- During playback, press the A-B button to set the start of the section to be repeated. A repeat symbol will appear on the screen with the letter A.
- Press A-B again to set the end of the section to be repeated. A repeat symbol will appear on the screen with the letters A-B. The defined section will be endlessly repeated.
- Press A-B a third time to start the repetition of the section.

The REPEAT A-B function is not available with MP3 CDs.

## Random playback - RANDOM (CD only)

---

During playback, press the RANDOM button. On the right of the screen, the random symbol  will appear.

To stop random play, press RANDOM again.



## Show playback bar - DISPLAY

The OSD provides useful information about the disc that is currently being played, as well as quick access to commonly used menus.

- Press DISPLAY on the remote control to show the following OSD information:
- Use the ▲ ▼ buttons to select the item you would like to change.
- Use the ◀ ▶ buttons to cycle through the available options or use the number keys (1, 2, 3...) to go directly to the desired option.
- Press DISPLAY again to exit the OSD display.

### Title

If there are multiple titles on the DVD, this menu allows you to jump directly to a desired title.

### Chapter

If there are multiple chapters on the DVD, this menu allows you to jump directly to a desired chapter.

### Time Counter

The time counter allows you to begin playback at a specific point of time on the DVD.

### Audio Channel Selection

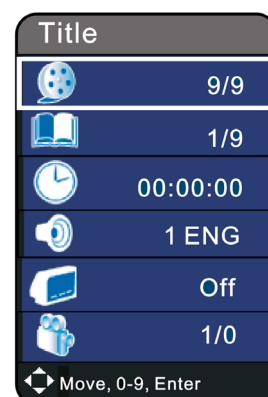
This allows you to set the audio language for playback. The languages available depend on the disc. Not all discs have multiple audio languages. You may need to use the disc menu to change audio languages - this depends on the design of the disc.

### Subtitle Selection

This allows you to set the subtitle language for playback. The languages available depend on the disc. Not all discs have multiple subtitle languages. You may need to use the disc menu to change subtitle languages - this depends on the design of the disc.

### Angle

This allows you to select the camera angle. Angles available depend on the disc. Not all discs have multiple angles.



## RETURN

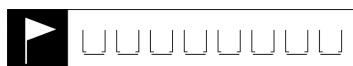
Use the RETURN key in VCD mode to go back to the previous window.

## Add/delete channel - PROGRAM

Press the PROGRAM button to call up the Add/delete channel menu (see "Add/Del Channel", p. 26). Move the cursor to a desired channel; press the ENTER key once to add the channel and again to delete the channel.

### Setting "bookmarks" - BOOKMARK

---



This unit supports 8 separate stored bookmarks for the disc currently in the DVD recorder. When you remove the disc from the recorder, the bookmarks are lost.

#### Create Bookmark

While playing a disc, press BOOKMARK at the point you wish to bookmark. The Bookmark menu shows on screen as follows:

The eight lines indicate the eight slots that the unit has for memory. A number indicates that a bookmark is stored in that slot. If there is nothing above the line, then there is nothing stored in that slot.

Use the ► button to move to an empty slot.



- Press ENTER to memorize the present point as a bookmark. A number will appear in the bookmark space, indicating that you have successfully stored the bookmark.
- Press BOOKMARK again to exit the bookmark menu.

#### Jump to Bookmark

- Press BOOKMARK to enter the bookmark menu.
- Use the ◀ ▶ buttons to select a bookmark.
- Press ENTER to start playback from that bookmark point.

#### Clear Bookmark

- Press BOOKMARK to enter the bookmark menu.
- Use the ◀ ▶ buttons to select a bookmark.
- Press CLEAR to erase the selected bookmark from memory.

### NTSC/PAL and Progressive Scan

---

The NTSC/PAL button cycles between normal NTSC, NTSC progressive scan, and PAL viewing modes.

NTSC is the normal format for North American TV broadcasts.

NTSC Progressive Scan can be used with a component connection to a TV that supports progressive scan to watch DVD movies at a higher resolution.

PAL is the color format for Europe and other areas. If you select PAL, North American movies and television programs will appear incorrectly on your screen.

### Setting the recording quality - QUALITY

---

- Press the MONITOR key to switch to record mode.
- Now press the REC QUALITY key to switch through the various recording qualities. The currently selected quality will be shown at the edge of the screen. This will be used for the next manual recording.

### Title Playback (DVD only)

---

Some DVDs have a title menu that can be accessed using the TITLE button on your remote control.

While a DVD with a title menu is playing, press TITLE.

Use the ▲ ▼ buttons to select a title and press ENTER to confirm.

## DVD Menu (DVD only)

---

Some DVDs have complex content with many subtitle languages, audio languages, video angles, etc. The DVD menu can be used to access these features.

If the disc contains a DVD menu, press MENU/PBC to show the menu on the screen.

Use the ▲ ▼ buttons to make a selection and press ENTER to confirm.

## Playing Multiple Angles - ANGLE

---

Some DVDs have multiple angle video segments.

When a DVD section with multiple view angle is playing, the screen shows:

While this icon is showing, press ANGLE to cycle through the available view-points.

## Change Subtitle Language

---

When playing a DVD with more than one subtitle language, press SUB TITLE to change or cancel subtitles. Press SUB TITLE multiple times to cycle between available subtitle languages and subtitles off.

Note:

Some subtitle languages can be only be selected from the DVD menu and can not be changed with the SUB TITLE button. Subtitle availability depends on the design of the DVD.

## Change Audio Language

---

If a DVD has more than one audio language, press AUDIO to change between them.

Press AUDIO multiple times to cycle through available audio languages.

Some audio languages can be only be selected from the DVD menu and can not be changed with the AUDIO button. Audio language availability depends on the design of the DVD.

## PBC Playback Control (VCD only)

---

Only VCDs edition 2.0 or above have this function. Different VCDs will have different PBC functions, depending on the design of the disc. Please refer to the instruction manual for the disc for more information.

Press MENU/PBC to turn on/off the PBC function. The OSD shows "PBC on" or "PBC off".

If the VCD has a PBC menu, press PREV ◀◀ and NEXT ▶▶: to change pages in the menu.

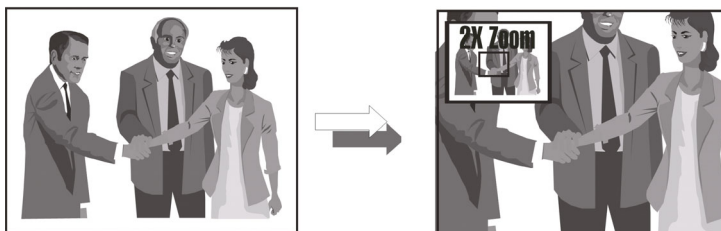
In PBC menus, all selections must be made with the numeric buttons.

When playing VCD 2.0 edition discs, set PBC to “off” for optimal operation.  
When PBC is on, press TITLE to enter the PBC menu.

## Zoom

When playing a DVD or VCD, press ZOOM to cycle through the zoom settings:

x2 > x4 > x8 > normal.



An inset screen in the upper left corner shows the entire viewable area.

While zoomed, use the ◀▶◀▶ buttons to move the zoomed portion within the viewable area.

## Sound functions

### Muting - MUTE

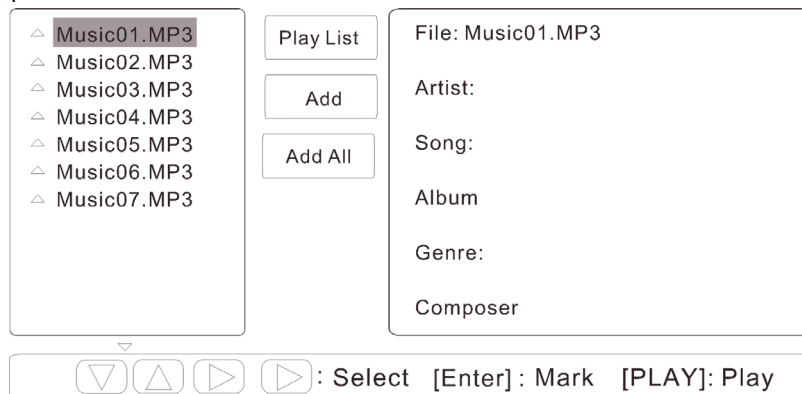
- Press MUTE to turn the sound right down. A red line will appear on the screen.
- Press MUTE again to turn the sound back up again and delete the MUTE symbol. The muting is also cancelled if you press one of the VOLUME keys.

### Setting the volume - VOLUME

Using the VOLUME keys, you can set the output volume.

## Navigating MP3 CDs and Audio CDs

Place a disc into your recorder and press the PLAY ► key, a file list menu will appear.



Move cursor to desired MP3 or music file using ▲ ▼ keys, press PLAY ► key to play this file immediately.

### Edit MP3 / CD play list

Move cursor to desired MP3 or music file using ▲ ▼ keys, press ENTER key to mark selected file.

After all desired files have been marked, then move cursor to “Add” icon using ► and ◀ keys, press ENTER key to add selected files to play list.

Or simply move cursor to “Add All” icon and press ENTER key to add all files on disc to play list.

Press PLAY ► key to start playback using this playlist.

### Delete play list

Move cursor to “Play List” icon, and press ENTER key to switch to play list mode.

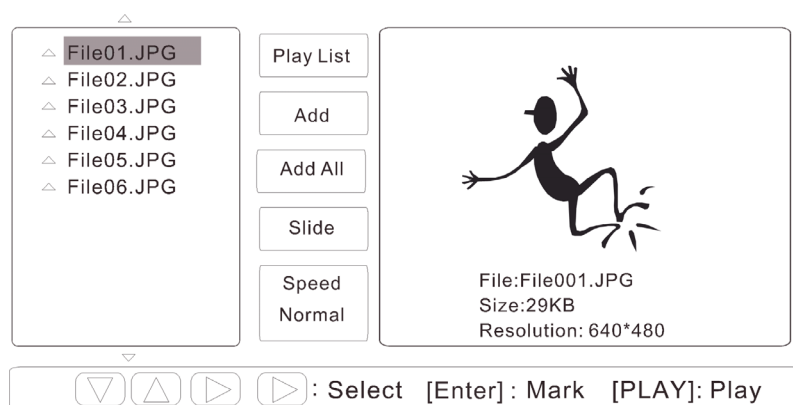
Under play list mode, move cursor to “Del All” icon and press ENTER key to delete current play list.

## Navigating JPEG and PICTURE CDs

### JPEG file Play List Editing

Follow these steps while playing a CD-R containing JPG files,

Place your CD-R disc in the recorder, press PLAY ► key, a file list menu will appear:



Move the cursor to select either JPEG (picture symbol) or MUSIC (note symbol) and press ENTER.

Move cursor to desired JPG file using ▲ ▼ keys, press PLAY ► key to view this file immediately.

When playing JPG files, use ► key to rotate picture clockwise, or use ◀ to rotate picture counter-clockwise.

### Edit play list

Move cursor to desired JPG file using ▲ ▼ keys, press ENTER key to mark selected file.

After all desired files have been marked, then move cursor to “Add” icon using ► and ◀ keys, press ENTER key to add selected files to play list.

Or simply move cursor to “Add All” icon and press ENTER key to add all files on disc to play list.

## KEY FUNCTIONS

Move cursor to “Slide” icon, then press ENTER key to start picture slide show.

Move cursor to “Speed” icon can adjust time delay between each frame by pressing ► or ◀ keys.

### **Delete play list**

Move cursor to “Play List” icon and press ENTER key to switch to play list mode

Under play list mode, move cursor to “Del All” icon and press ENTER key to delete current play list.

Press ■ to go back to the play list menu.

# SETTINGS AVAILABLE IN THE SETUP MENU

## Entering the Setup Menu

Press SETUP on your remote control to enter the setup menu.

Note:

If you press SETUP during playback, playback will pause. It will resume when you exit the Setup menu.

### How to Setup

Press SETUP to enter the setup menu.

Use the ▲ ▼ buttons to make a selection and press ► to enter into the first sub-menu.

In the first sub-menu, use the ▲ ▼ buttons to make a selection. Press ► to enter into second sub-menu, or press ◀ to return to the previous page.

In the second sub-menu, use the ▲ ▼ buttons to make a selection and press ► to confirm your selection.

Press SETUP again to exit the setup menu.

## System menu

There are three items that can be set from the System menu:

Guide Language, Set Time and Factory Reset.

### Guide Language

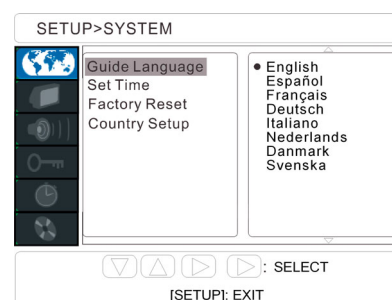
Determines the language displayed on the On Screen Display (OSD). The OSD can be displayed in English, Spanish, French or Chinese.

### Set Time

Determines the system time. The correct time can be entered manually or automatically.

### Factory Reset

Will restore the DVD recorder setting to the original factory setting.



## Video menu

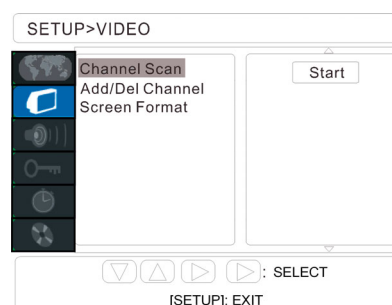
There are four items that can be set from the Video menu: TV Input, Channel Scan, Add/Del Channel and Screen Format.

### TV Input

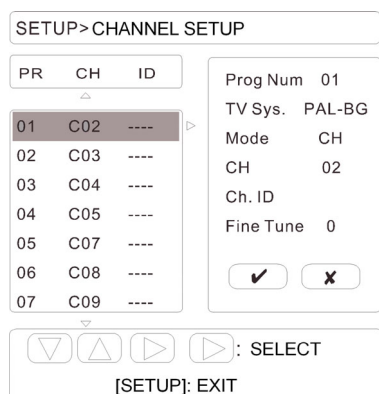
Select CATV if you have cable television, otherwise choose TV if the unit is connected to an antenna.

### Channel Scan

Select START to start automatically searching for stations.



## SETTINGS AVAILABLE IN THE SETUP MENU



### Add/Del Channel

Allows you to add/delete specific channels. Move cursor to desired channel; press the ENTER key once to add the channel and again to delete the channel.

You can also access this menu by pressing the PROGRAM button.

### Screen Format

#### 4:3 Letter Box

Select this setting to display a 16:9 format film on a conventional 4:3 television. The picture will be displayed full-width, with black bars on top and bottom.

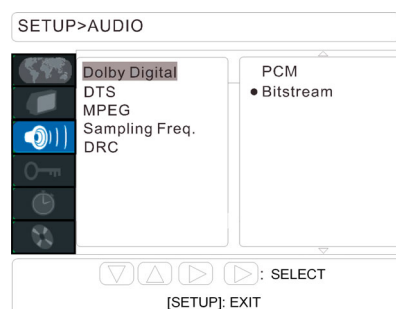
#### 4:3 Pan Scan

Choose this setting to display transmissions in conventional 4:3 format on a 4:3 television. Transmissions in 16:9 format will be displayed full-height (without black bars) but with the sides cut off, however the sidebars of the image will be cropped to fit your screen.

#### 16:9 Wide

This is the setting for output on a wide-screen television in 16:9 format.

## Audio menu



Use this menu to ensure the audio output format is compatible with connected devices (amplifier/receiver or TV set).

### Dolby Digital

PCM: Recorder can output PCM data and play the same audio format as on CDs. Additionally, 2-channel analog audio will output from the amplifier's audio output jacks.

Bitstream: Recorder outputs raw data of Dolby® Digital soundtracks

### DTS

PCM: Recorder can output PCM data and play the same audio format as on CDs. Additionally, 2-channel analog audio will output from the amplifier's audio output jacks.

Bitstream: Recorder outputs raw data of DTS® soundtracks

### MPEG

PCM: Recorder can output PCM data and play the same audio format as on CDs. Additionally, 2-channel analog audio will output from the amplifier's audio output jacks.

Bitstream: Recorder outputs raw data of Dolby® Digital soundtracks

### Sampling Freq.

This DVD recorder provides selections of 48KHz and 96KHz



## Security menu

Use directional keys to move cursor and press enter key to confirm change.

Rating varies according to different country setting.

### Set Password

Use the number keys on the remote control to input your 4 digit password, then press ENTER to confirm.

### Change

To change current password, the user will be prompt to enter the original password

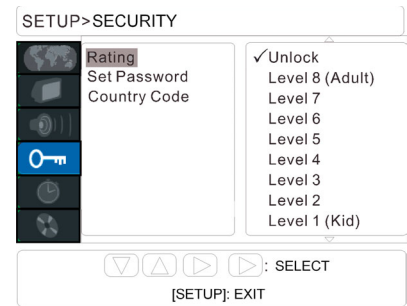
### Delete

To disable a previous password, the user will be prompt to enter the original password.

Original password for this machine is "3308".

### Country Code

This is a two-letter code which represents the country you are in. Find a table under Additional Information (see "Country Code", p. 37).



## Record menu

### Record Quality

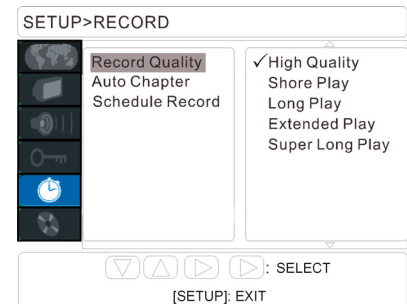
This recorder supports 5 recording modes: HQ (High Quality), SP (Short Play), LP (Long Play), EP (Extended Play), and SLP (Super Long Play). This can also be changed by using the REC QUALITY button on the remote control

### Auto Chapter

When recording a new chapter will be created after a certain time delay. You can select between 5, 10, or 15 minutes or disable this feature by selecting Off. Default setting is 5 minutes.

### Schedule Record

Please refer to Scheduled Disc Recording section of this manual (see "Scheduled Disc Recording", p. 30).



## Disc menu

### Audio Language

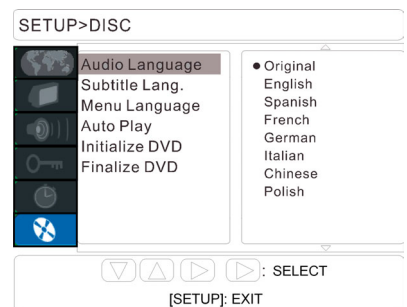
Select the audio language you want to automatically play when a DVD disc is loaded. Default setting is "Original".

### Subtitle Language

Select the subtitle language you want to automatically play when a DVD disc is loaded. Default setting is "OFF".

### Menu Language

Select menu language when a DVD disc is loaded. Default setting is "Original".



## SETTINGS AVAILABLE IN THE **SETUP** MENU

### **Auto Play**

When a DVD or VCD disc is loaded it will be played automatically. Default setting is "ON".

### **Initialize DVD**

Use this setting to format a DVD+RW disc. This will erase all contents on the DVD+RW disc.

### **Finalize DVD (DVD+R only)**

Make a DVD+R disc compatible with regular DVD video players. Only a DVD+R disc will require this operation. Please note a finalized disc cannot be recorded with new or revised content.

# PREPARING DISCS FOR RECORDING

## Compatible Discs

---

### Recordable Disc Types

This unit can record to DVD+R and DVD+RW discs. Please see "Disc Types" below.

### Playable Disc and Media Types

DVD Video	Commercial "Hollywood" DVD movies.
SVCD	Super VCD. A format for video saved on CD. Usually used in Asia.
DVD+RW	DVD format that can be "burned" repeatedly by some recorders.
DVD+R	DVD format that can be "burned" only once.
DVD-RW	DVD format that can be "burned" repeatedly by some recorders.
DVD-R	DVD format that can be "burned" only once.
CD-R	Recordable CD format often used for music.
CD-RW	Re-recordable CD format, also used for music.
Audio CD	Commercial music CD.
MP3	Format for compressed digital music on CD.
JPEG	Format for compressed digital photographs on CD or DVD.

We cannot guarantee that your recorded discs will play on another DVD player. Please check the manual for the other DVD player to make sure that it can play DVD+R and/or DVD+RW discs.

Although your DVD recorder can play DVD-R, music CDs, and MP3s, you can not use it to create these types of discs. You can only use it to record video - whether a TV broadcast or a home movie - to DVD+R or DVD+RW.

## Disc Types

---

DVD+RW discs can be erased and copied over again, although this may reduce the quality of your recording. DVD+R discs cannot be copied over, and you cannot add new data to a DVD+R disc once it has been finalized (see "Editing Discs", p. 34).

You may not be able to record to a DVD+RW disc that already contains recordings from another DVD recorder or PC. If you are able to add a new recording to a disc from another DVD recorder, your recorder will rewrite the DVD menu. If the disc contains data from a personal computer, this data will be erased by your DVD recorder.

## Initialize a New Disc

---

Your DVD recorder will automatically initialize a new DVD+R or DVD+RW disc the first time it is placed into the recorder. This takes about 1 minute, du-

ring which the TV screen shows **READING**. After the procedure is complete, the TV screen shows a blank title and indicates the recording capacity is 100%.

For more information on erasing discs or portions of discs, see "Editing Discs", p. 34.

## Scheduled Disc Recording

### Scheduling a Recording

You can schedule up to 8 different programs with your DVD recorder.

Make sure that the correct time and date are set on your DVD recorder.

Place an initialized DVD+R or DVD+RW disc in the DVD recorder.

Press **SETUP** on your remote control to enter the setup menu. Use the **▲ ▼** buttons to select the "Record" menu, then press the **►** button to enter the menu, next use the **▲ ▼** buttons to select "Schedule Record", finally press the **►** button to enter the menu.

No	Date	Start	Stop	Source
1	--/--/--	--/--	--/--	----
2	--/--/--	--/--	--/--	----
3	--/--/--	--/--	--/--	----
4	--/--/--	--/--	--/--	----
5	--/--/--	--/--	--/--	----
6	--/--/--	--/--	--/--	----
7	--/--/--	--/--	--/--	----
8	--/--/--	--/--	--/--	----

 / 
  : Select 
  : Edit [Clear] : Delete

Use the **▲ ▼** buttons to select the first available record program (ID # 1-8).

- Press the **►** button to schedule a recording for the selected ID #.
- Set the date for your recording: Use the **▲ ▼** buttons to choose between Wkly Sun, Wkly Sat, Wkly Fri, Wkly Thu, Wkly Wed, Wkly Tue, Wkly Mon, Daily, Mon-Fri or Once. If once is selected use the **◀ ▶** buttons to move the cursor and #'s 0-9 to input the date (mm/dd/yy)
- Set the start time for your recording: Use the **◀ ▶** buttons to move the cursor and either the **▲ ▼** buttons or #'s 0-9 to set the time. Next, use the **▲ ▼** buttons to select AM or PM.
- Set the stop time: Use the **◀ ▶** buttons to move the cursor and either the **▲ ▼** buttons or #'s 0-9 to set the time. Next, use the **▲ ▼** buttons to select AM or PM.
- Set the Mode (quality): Use the **◀ ▶** buttons to move the cursor to the mode field, and then use the **▲ ▼** buttons to select the desired mode. More information about quality levels: see "Record Quality", p. 27.
- Set the source: Use the **◀ ▶** buttons to move the cursor to the source field, and then use the **▲ ▼** buttons to select the source for your recording.

- Confirm your settings: Use the ◀ ▶ buttons to move the cursor to the green arrow to confirm and save settings or the red X to cancel settings. Press ENTER to confirm.

When you are done, press SETUP again to leave the setup menu.

*Note:*



Turn off recorder prior to the start of your scheduled program. If unit is left on the scheduled programs will not record.

## Stop an In-Process Scheduled Recording

---

- While the record is proceeding, press STOP ■ to stop recording and go to DVD mode, or press POWER to stop recording and go to stand-by status.

## Recording Quality

---

You can record discs using five different quality levels. The higher the quality level, the more space (time) will be taken up on your disc. Press REC QUALITY on your remote to change the quality settings.

HQ (High Quality):

The best picture quality 60 min. / 1 hour

SP (Standard Play):

Excellent (DVD video) picture quality 120 min. / 2 hours

LP (Long Play):

Good (S-VHS) picture quality 180 min. / 3 hours

EP (Extended Play):

Better than VHS quality 240 min. / 4 hours

SLP (Super Long Play):

VHS picture quality 360 min. / 6 hours

Recording times are estimates, actual recording times may vary. Please note that if your source video is of low quality, then your final recording will be of low quality even if you select a higher quality recording level. Recording over previously recorded discs may also decrease the quality level.

## Correct a Scheduled Recording

---

- Press SETUP on your remote control to enter the setup menu. Use the ▲ ▼ buttons to select the "Record" menu, then press the ▶ button to enter the menu, next use the ▲ ▼ buttons to select "Schedule Record", finally press the ▶ button to enter the menu.
- Use the ▲ ▼ buttons to move the cursor to the number of the recording that you would like to correct. Next press the ▶ button to make corrections.
- Use the ◀ ▶ buttons to move the cursor to the information that you would like to correct, then, use either the ▲ ▼ buttons or #'s 0-9 on the remote to enter the correct value.
- Confirm your settings: Use the ◀ ▶ buttons to move the cursor to the green arrow to confirm and save settings or the red X to cancel settings. Press ENTER to confirm.

### Cancel a Scheduled Recording

---

- Press **SETUP** on your remote control to enter the setup menu. Use the **▲ ▼** buttons to select the "Record" menu, then press the **►** button to enter the menu, next use the **▲ ▼** buttons to select "Schedule Record", finally press the **►** button to enter the menu.
- Use the **▲ ▼** buttons to move the cursor to the number of the recording that you would like to cancel.
- Press **CLEAR** on your remote control.
- Confirm that you would like to cancel this recording by using the **◀ ▶** buttons to select the green arrow to perform the operation or the red X to cancel.

### Troubleshooting Scheduled Recordings

---

Your DVD recorder will not be able to perform the scheduled recording if:

1. No disc is loaded.
2. The disc is write-protected.
3. The disc is not the correct format (DVD+R or DVD+RW).
4. The disc already contains 49 titles. This is the maximum number of titles that can be recorded to a single disc.
5. Another recording is in progress.
6. The DVD recorder's Time and Date is not set properly.
7. The time set for your recording is in the past.
8. The 8 memory slots for setting recordings are already filled.
9. There is no signal from the selected input source (it may be connected incorrectly or turned off).

The DVD recorder will not be able to tell if a disc is damaged. Even if the recording seems to be working, you may not be able to play back the disc if it has been scratched, smeared, or otherwise damaged.

### Manual Disc Recording

---

Place an initialized DVD+R or DVD+RW disc in the DVD recorder.

- Select the channel you want to record.
- Press **MONITOR** on the remote to switch to external input mode.
- Press **SOURCE** to select the input source that you want to record. Press **SOURCE** multiple times to cycle through the options: CVBS1 > CVBS2 > S-VIDEO01 > S-Video02 > CHANNEL
- Press **RECORD** on the remote control or the front panel of the DVD recorder to start recording.
- Press **STOP** ■ to stop recording. Please wait 15-17 seconds while your recording completes.
- Press **MONITOR** to switch to DVD mode. The recorded title will appear on the screen. Press **ENTER** to view your recorded video.

After recording, the following messages will also be stored:

- Record date and channel source.

- Record time.
- Recording length and recording mode.
- Recording index screen.

DVD+RW: These discs can be erased and recorded over.

DVD+R: These discs can be recorded and finalized only once. They cannot be erased and recorded over.

## Pause recording

- Press PAUSE while recording to temporarily stop the DVD recorder from recording information. This may be useful for excluding sections that you do not want to record, such as TV commercials.
- Press PAUSE again to resume normal recording.

## Chapters

Chapters can only be added after your recording has completed, not during the recording itself. For more information about adding chapters, see "Chapters", p. 33.

## Recording from External Devices

You can record the signal from external devices, such as a VCR, video camcorder (V8, Hi8), or DVD player onto DVDs using your DVD recorder.

- Please confirm the external device is properly connected to the DVD recorder. See the connection diagrams for more information (see "Connecting the DVD recorder", p. 9).
- Place an initialized DVD+R or DVD+RW disc in the DVD recorder.
- Press MONITOR on the remote to switch to external input mode.
- Press SOURCE to select the source for your recording.

Input (Internal Tuner)	Screen Display (Channel)
AV 1 IN	CVBS1
AV 2 IN	CVBS2
S-VIDEO01 IN	S-VIDEO01
S-VIDEO02 IN	S-VIDEO02
ANTENNA	CHANNEL

- Press RECORD to begin recording.
- Press STOP ■ to stop recording. Please wait while the screen displays "WAIT." When "WAIT" disappears from the screen, your recording is done.
- Press MONITOR to switch to DVD mode. The recorded title will appear on the screen. Press ENTER to view your recorded video.

*Note:*



The DVD recorder will stop recording automatically if there is no signal from the input device (such as a blank part of a videotape or an interrupted TV signal).

### Recording from a DV Camcorder

Connect the red, yellow, and white AV output connectors from your DV camcorder to the AV input connectors on the front of your DVD recorder.

- Place an initialized DVD+R or DVD+RW disc in the DVD recorder.
- Turn on the DV camcorder and switch it to “VCR” mode.
- Press MONITOR on the remote to switch to external input mode.
- Press SOURCE to select the source for your recording .
- Press RECORD to begin recording.
- Press STOP ■ to stop recording. Please wait while the screen displays “WAIT.” When “WAIT” disappears from the screen, your recording is done.
- Press MONITOR to switch to DVD mode. The recorded title will appear on the screen. Press ENTER to view your recorded video.

Note:

Recording will stop automatically if there is no signal from the DV camcorder.

All recorded signals must be in DVD-SD format.

Date and time information can't be recorded from a DV camcorder.

You can't record copy-protected discs or one-time duplicable discs.

### Editing Discs

Under disc title menu, press EDIT key to enter edit menu:



#### Protect and Unprotect Title

Protect and unprotect selected disc title. Move cursor to “Protect Title” menu, press ENTER key to proceed to protect title. To unprotect a title, follow the previous step.

#### Protect and Unprotect disc

Protect and unprotect the entire disc. Move cursor to “Protect Disc” menu, press ENTER key to proceed protect disc. To unprotect a disc, follow the previous step.

#### Make Compatible (DVD+R only)

Use this feature to make a DVD+R disc playable on other DVD video players. Note that after this procedure, the DVD+R disc cannot record any new contents.

Note:



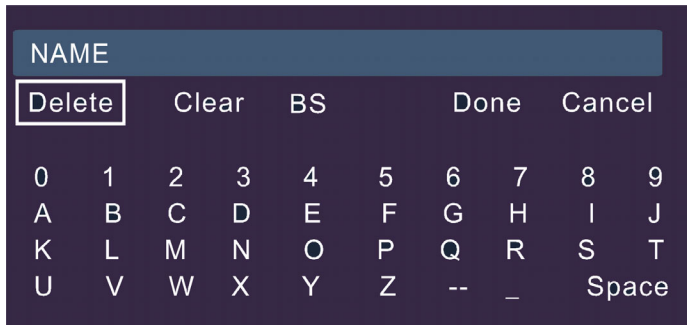
We can't guarantee a DVD+R/RW disc is playable on every DVD player. Check the instruction manual of the DVD player in advance to confirm which kind of disc can be played.

#### Play Full Title

If there is a hidden chapter in title, this setup can view all the contents.



## Edit Title Name



- Move cursor to "Edit Title Name", press ENTER key, a Virtual keyboard will appear.
- Move cursor using direction keys ► and ◀ to select desired letter, press ENTER key to input. Title Name contains a maximum 14 letters.
- After finishing your title, move cursor to "Done" and press ENTER key to complete. To edit your title move cursor to "Clear" then press ENTER key to clear input title name. Move cursor to "Delete" or "BS" icon then press ENTER key for erasing inputted letter(s). To cancel, move cursor to "Cancel", then press ENTER key to abort inputting.

### Note

"Delete" and "BS" work in different ways, using delete to erase letter(s) from the beginning, and BS (backspace) to erase letters from the tail.

## Erase Title (DVD+RW only)

Move cursor to "Erase Title" menu, Press ENTER key to confirm, and wait for 15 to 18 seconds for the title to erase.

During playback, press EDIT key to enter edit menu:

## Insert Chapter

If "Auto Chapter" at Record menu has been activated, every 5~15 minutes (depends on setting) will divide into a chapter. But if users wish to divide chapters at specific points in a title, users can use Insert Chapter function here.

- During title playback, press EDIT on remote control to show edit menu.
- Choose Insert Chapter and press ENTER key to add one chapter. Repeat above to add more chapters.

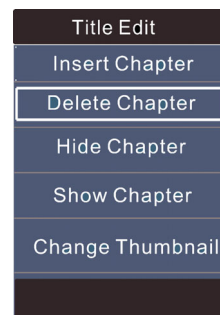
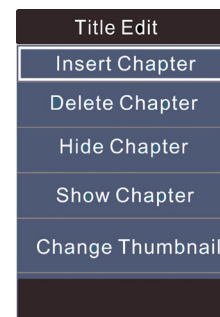
## Delete Chapter

Chapter mark can be deleted after recording. While a movie is playing, press EDIT on remote control to show edit menu, choose "Remove Chapter", and you can remove current chapter mark of a title.

### Note:



If DVD+R has not been finalized, Insert/Remove Chapter Mark step can be made.



# ADDITIONAL INFORMATION

## Regional Code

This DVD recorder is designed and manufactured to respond to the Region Management Information recorded on a DVD disc. If the region number described on the DVD disc does not correspond to the region number of this DVD recorder, this DVD recorder will not play the disc. The OSD message "WRONG REGION" will show on the TV screen. This recorder will play DVD discs made for "ALL" regions, as well as DVD discs made for Region 1. The illustration below shows the regions and corresponding region numbers.

Region 1 USA & Canada

Region 2 Europe, Japan, South Africa, Middle East

Region 3 Southeast Asia

Region 4 Central & South America, Australia, New Zealand

Region 5 Former Soviet Union, India, Pakistan, Africa

Region 6 China

## COUNTRY CODE

AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AN	Netherlands Antilles
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BA	Bosnia-Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos Islands
CF	Central African Republic

## COUNTRY CODE

CD	Congo, The Democratic Republic of the
CG	Congo
CH	Switzerland
CI	Ivory Coast
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
COM	Commercial
CR	Costa Rica
CS	Former Czechoslovakia
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands
FM	Micronesia
FO	Faroe Islands
FR	France
FX	France (European Territory)
GA	Gabon
GB	Great Britain
GD	Grenada
GE	Georgia

GF	French Guyana
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe (French)
GQ	Equatorial Guinea
GR	Greece
GS	S. Georgia
GT	Guatemala
GU	Guam (USA)
GW	Guinea Bissau
GY	Guyana
HK	Hong Kong
HM	Heard and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IN	India
IQ	Iraq
IR	Iran
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts
KP	North Korea
KR	South Korea
KW	Kuwait
KY	Cayman Islands

## COUNTRY CODE

KZ	Kazakhstan
LA	Laos
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Moldavia
MG	Madagascar
MH	Marshall Islands
MK	Macedonia
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macau
MP	Northern Mariana Islands
MQ	Martinique (French)
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway

NP	Nepal
NR	Nauru
NT	Neutral Zone
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn Island
PR	Puerto Rico
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Reunion
RO	Romania
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard and Jan Mayen Islands
SK	Slovak Republic
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Saint Tome and Principe
SV	El Salvador

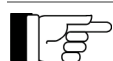
## COUNTRY CODE

SY	Syria
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TG	Togo
TH	Thailand
TJ	Tadjikistan
TK	Tokelau
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TP	East Timor
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan
TZ	Tanzania
UA	Ukraine
UG	Uganda
UK	United Kingdom
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Holy See
VC	Saint Vincent & Grenadines
VE	Venezuela
VG	Virgin Islands (British)
VI	Virgin Islands (USA)
VN	Vietnam
VU	Vanuatu
WF	Wallis and Futuna Islands
WS	Samoa
YE	Yemen
YT	Mayotte
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe



# TROUBLESHOOTING

If something goes wrong, the first thing to do is to see whether you can correct the problem yourself. The following overview may help you.



In no event should you attempt to repair the appliance yourself. If a repair is necessary, please contact our service centre or another suitably specialist workshop.

FAULT	POSSIBLE CAUSE / CORRECTION
GENERAL	
No standby indication	Check the mains connection: is the plug fully engaged in the socket?
The recorder does not work	Press STANDBY/ON on the remote control or the front panel. If the appliance has been affected by lightning, a static discharge or some other external factor, try the following procedure: press STANDBY/ON on the front panel (Standby mode); Now unplug the supply cable, pause and plug it in again.
The disc does not run although PLAY has been pressed or it stops almost at once.	Has the disc been inserted with the label side uppermost? Check that the disc is not damaged by trying another disc. If the disc is dirty, it can be cleaned by wiping with a soft, dry cloth from the middle to the edge. Is the disc one of the playable types - DVD, VCD or CD? If the disc is a commercial DVD, does it have the correct regional code (2)? Condensation may have formed; allow one or two hours for the recorder to dry out.
The recorder does not respond to the remote control	Check that the batteries are not flat and that they are correctly inserted. Ensure that there is no obstruction between the infrared transmitter of the remote control and the sensor on the recorder. Are you, perhaps, too far from the recorder (more than 7 m)?
No picture	Are the cables between the recorder and the TV are correctly connected and undamaged? Is the TV set switched on? Have you selected the video "channel" (input) on the TV set? Is the correct function (DVD) selected? Is the correct DVD recorder output selected? Have you pressed the NTSC/PAL button by mistake so that the picture processing is incorrect? Do you need to make another station search?
Distorted picture	Check whether the disc is dirty; if so, it can be cleaned by wiping with a soft, dry cloth from the middle to the edge. Minor picture interference is not a fault.
Badly distorted picture	The television standard recorded on your DVD may not be the same as that of your TV set (NTSC/PAL button).
No colour	The video output signal is set to a standard that is not supported by your TV set (NTSC/PAL button).
Poor picture	
Incorrect picture format (4:3, 16:9)	Check that the settings in the menu item, SETUP > VIDEO > SCREEN FORMAT, are correct for your TV set.
No sound	Is the sound muted (MUTE)?

## TROUBLESHOOTING

Sound is too quiet	Check your audio connections.
	Incorrect audio output setting.
	The DVD is playing in quick or slow motion.
	Check the audio settings in the <b>SETUP</b> menu: correct sound format selected? Are the loudspeakers correctly set?

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### FOR DVDs ONLY

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Wrong language	Change the language settings in the <b>SETUP</b> menu ( <b>DISC - SUBTITLE LANGUAGE</b> ) by pressing the subtitle button or in the DVD menu ( <b>MENU</b> or <b>SUB TITLE</b> key).
Wrong subtitle language	
	Check, on the DVD cover or in the DVD menu, whether the desired language is available.
SKIP function does not work	Some DVDs have titles/chapters for which the SKIP function is disabled.
Cannot change camera position	Different camera positions are only available on a few DVDs and often only for a few, selected scenes.
You have forgotten the password.	Use the factory password - 3308.
A recorded DVD cannot be played on another player.	The DVD+R was not finalised (fixed) after recording.
A recorded chapter is not shown on another DVD player.	The DVD was not made compatible - see "Make Compatible (DVD+R only)", p. 34.

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### RECORDING

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Record does not work	No disc in the drawer; disc is write-protected.
	The disk is not of the correct type (DVD+R or DVD+RW).
	There are already 49 titles on the disc.
	Another recording is being made at the scheduled time.
	The scheduled time is already past.
	All 8 schedule slots are already filled.
	There is no signal from the selected source.

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### REMOTE CONTROL

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Does not work	No batteries or the batteries are flat.
	The remote control is not pointing at the recorder.

# TECHNICAL DATA

Supply voltage:	100 - 240 V ~ 50/60 Hz
Power consumption:	30 W
Standby power consumption:	9 W
Remote control batteries:	2 X 1.5V R03 / LR03 TYPE AAA
Colour television system:	PAL/NTSC



LASER KLASSE 1  
CLASS 1 LASER  
PRODUCT  
APPAREIL LASER  
DE CATEGORIE 1

Laser power:	Class 1 laser
Playable disc formats:	DVD (Digital Versatile Disk), DVD+R, DVD+RW, DVD-R, DVD-RW; VCD, SVCD, CD-Audio; CD-R, CD-RW, JPEG-CD, MP3-CD
Recordable disc formats:	DVD+R; DVD+RW

**i** There is no guarantee that a DVD+R or DVD+RW recorded on your DVD machine can be played on another DVD player. If you have problems, read the manual for the other player and check whether it can play DVD+R and DVD+RW discs.



If you use Audio CDs, check the label.

**i** Please note: There are now many CD recording and copy-protection methods, some of which are not standardised. There are also different kinds of CD-R and CD-RW blanks. In individual cases, reading errors or delays can occur. This is not a recorder defect.

**Subject to technical changes.**